

# SUCTION CUPS / Flat & Curve

## VFC90

### Features and Strengths

Specifically designed for flat and curved surface  
Available to handle multiple objects with the same suction cup

### Examples of use

Automobile Windscreens, Roof and Door, Metal Sheet  
Shaped Metal panel, TV cathode ray tube



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VFC90	60.00	9.80	24.82	32.65	9.52	21.59	27.89

※ The lifting force above does not include safety factor

### Material Specifications

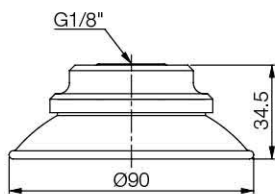
Material	Hardness Shore (°)	Color	Temperature (°C)
Polyurethane	60	Translucent Orange	0~60

### Material Resistance

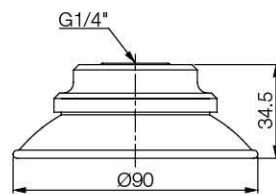
Description	Polyurethane
Wear Resistance	Excellent
Oil	Excellent
Weather / Ozone	Excellent
Alcohol	Fair
Acid	Fair

### Dimension

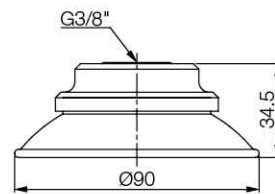
[ Unit : mm ]



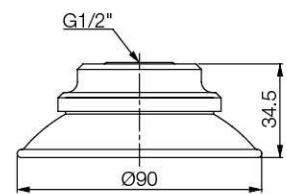
[With 18F fitting]



[With 14F fitting]

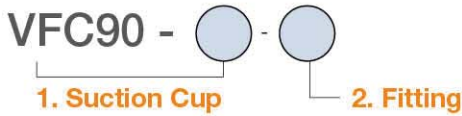


[With 38F fitting]



[With 12F fitting]

## Build an Ordering No.



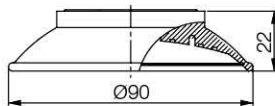
1. Suction cup	Description	Symbol
	Flat-Curved suction cup, 90mm diameter, Polyurethane	VFC90-PU
2. Fitting	Description	Symbol
	Fitting, G1/8 female	18F
	Fitting, G1/8 female, Mesh filter	M-18F
	Fitting, G1/4 female	14F
	Fitting, G1/4 female, Mesh filter	M-14F
	Fitting, G3/8 female	38F
	Fitting, G3/8 female, Mesh filter	M-38F
	Fitting, G1/2 female	12F
	Fitting, G1/2 female, Mesh filter	M-12F

## Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
VFC90-PU	Flat-Curved suction cup, 90mm diameter, Polyurethane	62.19	Translucent Orange

## Dimension

[Unit : mm]



[Rubber part]

## Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3323	18F	G1/8 female	59.36
350 000 4323	18F-F	G1/8 female, Mesh filter	59.76
350 000 3423	14F	G1/4 female	56.92
350 000 3823	14F-F	G1/4 female, Mesh filter	57.32
350 000 3523	38F	G3/8 female	55.08
350 000 3923	38F-F	G3/8 female, Mesh filter	55.48
350 000 3623	12F	G1/2 female	51.50
350 000 4023	12F-F	G1/2 female, Mesh filter	51.9